

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2005/001750

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07D207/24

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BALDWIN J E ET AL: "Towards a Versatile Synthesis of Kainoids I: Introduction of the C-3 and C-4 Substituents" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 53, no. 14, 7 April 1997 (1997-04-07), pages 5233-5254, XP004105568 ISSN: 0040-4020 preparation of compounds 8, 12: scheme 1 steps (iii), (viii); pages 5241, 5243</p> <p style="text-align: center;">-/--</p>	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- \* & \* document member of the same patent family

Date of the actual completion of the international search

15 June 2005

Date of mailing of the international search report

27/06/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	YOSHIFUJI S, KANAME M: "First Synthesis of Lycoperdic Acid" TETRAHEDRON LETTERS, vol. 33, no. 52, 1992, pages 8103-8104, XP002332085 preparation of compound 3; step c in scheme; reference 3	1-4
Y	SHARPLESS K B ET AL: "A Greatly Improved Procedure for Ruthenium Tetraoxide Catalyzed Oxidations of Organic Compounds" JOURNAL OF ORGANIC CHEMISTRY, vol. 46, 1981, pages 3936-3938, XP002332086 page 3937, column 2, line 1 - line 3; table 1	1-4
Y	US 6 103 910 A (HERTEL ET AL) 15 August 2000 (2000-08-15) examples 77b, 78d	1-4
Y	CRAWFORD R J: "A Practical Synthesis of 7,7,8,8-Tetracyanoquinodimethane" JOURNAL OF ORGANIC CHEMISTRY, vol. 48, 1983, pages 1366-1368, XP002332087 preparation of 1 from 5: scheme 2; page 1367, column 2	1-4
A	NARUKAWA Y ET AL: "General and Efficient Synthesis of 2-Alkylcarbapenems: Synthesis of Dethiacarba Analogs of Clinically Useful Carbapenems via Palladium-Catalyzed Cross-Coupling Reaction" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 53, no. 2, 13 January 1997 (1997-01-13), pages 539-556, XP004105158 ISSN: 0040-4020 cited in the application page 549; compound 15	1-4
A	HRUBY V J ET AL: "Synthesis of 4-cis-Phenyl-L-proline via Hydrogenolysis" JOURNAL OF ORGANIC CHEMISTRY, vol. 66, 2001, pages 3593-3596, XP002332088 cited in the application Preparation of compounds 6b: scheme 2, page 3596, column 1 bottom; 6d: scheme 3, page 3595, column 2, 2nd paragraph	1-4

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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